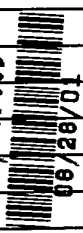


Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 212345US22CONT		SERIAL NO. 09/939,689 NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT FRANKS, ET AL			
				FILING DATE HEREWITH		GROUP 1653 (Anticipated)	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
JR	AA	1,855,591	04/26/32	LEO WALLERSTEIN	435	188	10973 U.S. PTO 09/939689  08/28/01
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
JR	AJ	EP 0140 489	05/08/85	EUROPE	XXX		
JR	AK	WO 87/00196	01/15/87	WIPO	XXX		
JR	AL	GB 2 126 588	03/28/84	UNITED KINGDOM	XXX		
JR	AM	EP 0 111 216	06/20/84	EUROPE	XXX		
JR	AN	WO 87/05300	09/11/87	WIPO	XXX		
JR	AO	WO 86/04095	07/17/86	WIPO	XXX		
JR	AP	WO 90/05182	05/17/90	WIPO	XXX		
JR	AQ	EP 0229 810 B1	07/29/87	EUROPE	XXX		
JR	AR	EP 0 297 887	01/04/89	EUROPE	XXX		
JR	AS	WO 89/06542	07/27/89	WIPO	XXX		
	AT						
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JR	AW	The Effect of Sugars on the Thermal Denaturation of Lysozyme H7H Uedaira Bull chem Soc <u>53</u> 2451 (1980)					
JR	AX	Modes of Stabilization of a Protein by Organic Solutes during Desiccation; John F. Carpenter and John H. Crowe, Department of Zoology, University of California, Davis, California Cryobiology <u>25</u> pages 459-470 (1988)					
JR	AY	Principles of "Cryostabilization" Technology from Structure/Property Relationships of Carbohydrate/Water systems - A Review, Harry Levine and Louise Slade, Nabisco Brands, inc., Corporate Technology Group, Cryoletters <u>9</u> pages 21 - 63 (1988)					
JR	AZ	The Glassy State and Survival of Anhydrous Biological Systems, Michael J. Burke, pages 358 - 363, (1986) in Membranes, Metabolism, and Dry Organisms, A.C. Leopold, ed.					
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*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 212345US22CONT		SERIAL NO. 09/939,689 <u>NEW APPLICATION</u>	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT FRANKS ET AL			
				FILING DATE HEREWITH		GROUP 1653 (Anticipated)	
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JR	AAB	Structure and Structure Transitions in Dried Carbohydrate Materials, James M. Flink, Physical Properties of Foods, pages 473 - 521 (1983)					
JR	AAC	Some Physico-Chemical Properties of Lactose, B. L. Herrington, J Dairy Science, <u>17</u> , pages 501 - 519, (1934)					
JR	AAD	The Glassy State in Certain Sugar-Containing Food Products, G.W. White and S. H. Cakebread, J Food Technol. <u>1</u> , pages 73-82 (1966)					
JR	AAE	Loss of Structure in Freeze-dried Carbohydrates Solutions: Effect of Temperature, Moisture Content and Composition, Spyros Tsourouflis, James M. Flink, and Marcus Karel, J Sci Fd-Agric <u>27</u> , pages 509 - 519 (1976)					
JR	AAF	Structural Stability of Intermediate Moisture Foods- A New Understanding, Louise Slade and H. Levine, Food Structure, its Creation and Evaluation, Blanshard and Mitchell, pages 115-180 (1988)					
JR	AAG	The Nature of the Glassy State and the Behavior of Liquids at Low Temperatures, Kauzmann Chem Rev <u>43</u> , pages 219 - 227 (1948)					
JR	AAH	A Polymer Physico-Chemical Approach to the Study of Commercial Starch Hydrolysis Products (SHPs), Harry Levine and Louise Slade, Carbohydrate Polymers, <u>6</u> pages 213-244 (1986)					
JR	AAI	Stabilization of Phosphofructokinase during Air-Drying with Sugars and Sugar/Transition Metal Mixtures, John f. Carpenter, Beth Martin, Lois M. Crowe, and John H. Crowe, Cryobiology, <u>24</u> pages 455 -464 (1987)					
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JR	AAM	Walter Relations of Foods, R.B. Duckworth, Editor, Academic Press, page 648 (1975)					
JR	AAN	The New Encyclopedia Britannica, <u>Volume 16</u> , Encyclopedia Britannica, Inc., page 476 - 479 (1985)					
JR	AAO	Hydration-induced Conformational and Flexibility Changes of Lysozyme at Low Water Content, P.L. Poole and J.L. Finney, Int J. Biol. Macromol., <u>5</u> pages 308-310 (1983)					
JR	AAP	Sequential Hydration of a Dry Globular Protein, P.L. Poole and J.L. Finney, Biopolymers, <u>22</u> pages 255-260 (1983)					
JR	AAQ	Protein Hydration and Enzyme Activity: The Role of Hydration-Induced Conformation and Dynamic changes in the Activity of Lysozyme, J.L. Finney and P.L. Poole, Comments Mol Cell Biophys, <u>2</u> pages 129-151 (1984)					
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 212345US22CONT		SERIAL NO. <u>09739681</u> NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT FRANKS ET AL			
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JR	AAR	Dielectric Studies of Protein Hydration and Hydration-induced Flexibility, Bone and Pethig, J. Mol. Biol., <u>181</u> pages 323-326, (1985)					
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JR	AAT	Lyophilization of Biotechnology Products, Arno T. P. Skrabanaja, Andre L. J. De Meere, Rein A. De Ruiter, and Piet J.M. Van Den Detelaar, PDA Journal, <u>48-6</u> pages 311-317 (1994)					
JR	AAU	Permazyme Tehcnology, Permazyme leaflet (not dated)					
JR	AAV	BioPharm, Roser, Biopharm, pages 49-53, September 1991					
JR	AAW	Developments in Biological Standardization, Pikal and Sah International Symposium on Biological Product Freeze-Drying and Formulation Bethesda, USA, <u>74</u> pages 165-170 (1991)					
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JR	BAD	The Crystallisation of Hydrates From Amorphous Carbohydrates, Barry J. Aldous, Anthony D. Auffret, and Felix Franks, Cryo-Letters, <u>16</u> pages 181-186 (1995)					
JR	BAE	Physical Characterization of Spray Dried Sugars Suitable A Carriers in Inhalation Systems, Venkatesh Naini, Peter R. Byron and Elaine M. Phillips, Aerosol Research Group, Poster at Tenth annual AAPS, Miami, FL-PT6180 (not dated)					
JR	BAF	ROOS - Carbohydrate Research, <u>238</u> , 38-49 (1993) 37-48					
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	BAH						
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Form PTO 1449
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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.
212345US22CONT

SERIAL NO. 09/939.689
~~NEW APPLICATION~~

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

FELIX FRANKS ET AL.

FILING DATE
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GROUP	1653
(Anticipated)	

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				TRANSLATION	
		DOCUMENT NUMBER	DATE	COUNTRY	YES NO
JR	AB	SHO 55-97096	07/80	JAPAN	
JR	AC	SHO 55-97096	07/80	JAPAN	X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner

Jeffrey E. Russel

Date Considered

16-24-2002

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SERIAL NO. 09/939,687
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JSA	A	"The Spray Drying of Enzyme Rennin", Vipin Dhirajlal Shah, University Microfilms, Inc., Ann Arbor Michigan (1963).

Date Considered Mar 24, 2002

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
212345US22CONTSERIAL NO. 0919391609
~~NEW APPLICATION~~

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

FELIX FRANKS ET AL.

FILING DATE
HEREWITHGROUP 1653
(Anticipated)

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
JR	AA	0 520 748 A1	12/30/92	Europe	x	

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JR	AB	14 October 1999 letter from Mewburn Ellis to EPO
JR	AC	20 September 1999 Letter from Gill Jennings & Every to EPO
JR	AD	Declaration under 37 CFR 1.132 re: Franks et al. S.N. 08/241,457; filed 11 May 1994; for storage of materials dated 23 February 1996
JR	AE	Supplemental Amendment re: Franks et al. S.N. 08/241,457; filed 11 May 1994; for storage of materials dated 22 April 1996
JR	AF	Document in No. 92 305 769.9 - Communication/Minutes (Annex) dated 17.07.98
JR	AG	Opposition by Quardant to Inhale EP 0,383,569; Declaration by Nicholas David Osborne (Unsigned; Sept. 1999)
JR	AH	Opposition by Quardant to Inhale EP 0,383,569; Declaration by Trevor George Gard (Unsigned; Sept. 1999)
JR	AI	Clas et al., "Differential Scanning Calorimetry: Applications in Drug Development," <i>Research Focus/Reviews</i> Vol. 2, No. 8 August 1999, pages 311-320.
JR	AJ	13 September 1999 letter from Gill Jennings & Every to EPO
JR	AK	Green et al., "The Journal of Physical Chemistry," <i>Phase Relations and Vitrification in Saccharide-Water Solutions and the Trehalose Anomaly</i> Vol. 93, No. 8, 1989 pp. 2880-2882
JR	AL	Japanese patent publication Sho 60-244288 (1985-244288) 1985 (translation)
JR	AM	Labrude et al., s.t.p. pharma, June 1988 No. 6; pp. 472-480
JR	AN	Labrude et al., "Journal of Pharmaceutical Sciences; Vol. 78, No. 3, March 1989"; pp. 223-229
JR	AO	Fax from Eric Potter Clarkson to EPO dated 15 October 1999 re: Further Submissions of Novo Nordisk (Opponent 2)
JR	AP	26 October 1999 letter/fax from Mewburn Ellis to EPO containing: letter dated 15 October 1999 to EPO from Akzo Nobel
JR	AQ	29 November 1999 letter from Mewburn Ellis to EPO
JR	AR	3 December 1999 letter from Eric Potter Clarkson to EPO re: Opposition to European patent Application No. 90301561.8 (0383569)
JR	AS	"The Journal of Physical Chemistry," Vol. 78, No. 28, 1974; <i>Dependence of the Glass Transition Temperature on Heating and Cooling Rate</i> , pp.2673-2677
JR	AT	Vo. 41. No. 9, 1968; "Glass Transition in Dehydrated Amorphous Solid," <i>Bull. Chem. Soc. Japan</i> , page 2322.
JR	AU	06 March 2000 letter/fax from Mewburn Ellis to EPO
JR	AV	01 November 1999 fax from Simmons & Simmons, containing claim form and draft amended pleadings

Examiner

Jeffrey E. Russell

Date Considered

M, 24, 2002

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Notice of References Cited

Application No. 09/939,689
New Application

Applicant(s)

E. Frank A. J.

Examiner

J. Russell

Group Art Unit

1653

Page 1 of 1

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*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
*	A	3,694,547	9-26-1972	Forsthoff	924	94.66
	B					
	C					
	D					
	E					
	F					
	G					
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FOREIGN PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
	N						
	O						
	P						
	Q						
	R						
	S						
	T						

NON-PATENT DOCUMENTS

*		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	U		
	V		
	W		
	X		

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

Jeffrey E. Russell

May 24, 2002